

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

08/909,489 08/12/97 PEDDLE C 4784.02

LM21/0121

 EXAMINERJOHN C. ALBRECHT
1044 N. SECOND AVENUE
SAINT CHARLES IL 60174

PATEL, R

 ART UNIT PAPER NUMBER

2786

15/C

DATE MAILED:

01/21/00

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

See attached.

C



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LM21/0121

JOHN C. ALBRECHT
1044 N. SECOND AVENUE
SAINT CHARLES IL 60174

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/909,489	08/12/97	071	PATEL, R	2786 01/21/00
First Named Applicant	PEDDLE,	35 USC 154(b) term ext.	=	0 Days.

TITLE OF INVENTION MEMORY MODULE ASSEMBLY USING PARTIALLY DEFECTIVE CHIPS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE.	SMALL ENTITY	FEES DUE	DATE DUE
0 4784.02	700-121.000	H27	UTILITY	NO	\$1210.00	04/21/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

- I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
 - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
 - B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
 - A. Pay FEE DUE shown above, or
 - B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account; Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Notice of Allowability	Application No. 08/909,489	Applicant(s) Peddle
	Examiner Ramesh Patel	Group Art Unit 2786

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

This communication is responsive to 12/21/99

The allowed claim(s) is/are 1-64, 67-71, 74, and 75

The drawings filed on Oct 1, 1999 are acceptable.

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

- All Some* None of the CERTIFIED copies of the priority documents have been
- received.
- received in Application No. (Series Code/Serial Number) _____.
- received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

Applicant MUST submit NEW FORMAL DRAWINGS

- because the originally filed drawings were declared by applicant to be informal.
- including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____.
- including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.
- including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

- Notice of References Cited, PTO-892
- Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- Notice of Draftsperson's Patent Drawing Review, PTO-948
- Notice of Informal Patent Application, PTO-152
- Interview Summary, PTO-413
- Examiner's Amendment/Comment
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- Examiner's Statement of Reasons for Allowance

Art Unit: 2786

1. Claims 1-64, 67-71 and 74-75 are allowed. Claims 65-66 are canceled due to the amendment filed 1/4/00 and claims 72-73 are canceled due to the examiner's amendment.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Albrecht John C. (Reg. No. 18,373) on 1/13/00.

3. The application has been amended as follows:
 - 1) claim 7, line 1, deleted the term "process" and inserted --method--;
 - 2) claim 11, line 1, deleted the term "process" and inserted --method--;
 - 3) claim 12, line 1, deleted the term "process" and inserted --method--;
 - 4) claim 16, line 1, deleted term "process" and inserted --method--;
 - 5) claim 19, line 1, deleted the term "process" and inserted --method--;
 - 6) claim 24, line 1, deleted the term "process" and inserted --method--;
 - 7) claim 50, line 1, deleted the term "process" and inserted --method--;
 - 8) claim 51, line 2, deleted the term "process" and inserted --method-- and line 10, deleted the term "pins." and inserted --pins--;;

Art Unit: 2786

L 9) claim 71, is deleted and rewritten as follows:

⁶⁹ ~~71~~. A method for constructing a fully functional memory module which utilizes partially defective independent memory circuit parts comprising:

(a) testing and classifying memory parts in a set of defined [classification]

classifications;

(b) selecting a primary memory part having a selected classification;

(c) selecting a backup memory part having a selected different classification;

[and]

(d) constructing a memory module [wherein:] wherein any defective data lines of the selected primary memory part are replaced by operational data lines of the backup circuit [structure.] structure; and

(e) said constructing step (d) comprises: providing a selected pattern of solder dot connections.

C 10) claims 72 and 73 are canceled;

11) claims 74, lnies 6 and 10, deleted the term "and" and lnie 8, deleted the term "structure." and inserted --structure;--;

12) claim 75, line 1, the terms deleted " through 74 ".

4. The following is an examiner's statement of reasons for allowance: Regarding claims 1-64, 67-71 and 74-75, applicant arguments are persuasive.

5
X42

Art Unit: 2786

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this or earlier communication from the examiner should be directed to Ramesh Patel at (703) 308-6673.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Grant, can be reached on (703)308-1108.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3800.



WILLIAM GRANT
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2700



rp 
Art Unit-2786
January 13, 2000